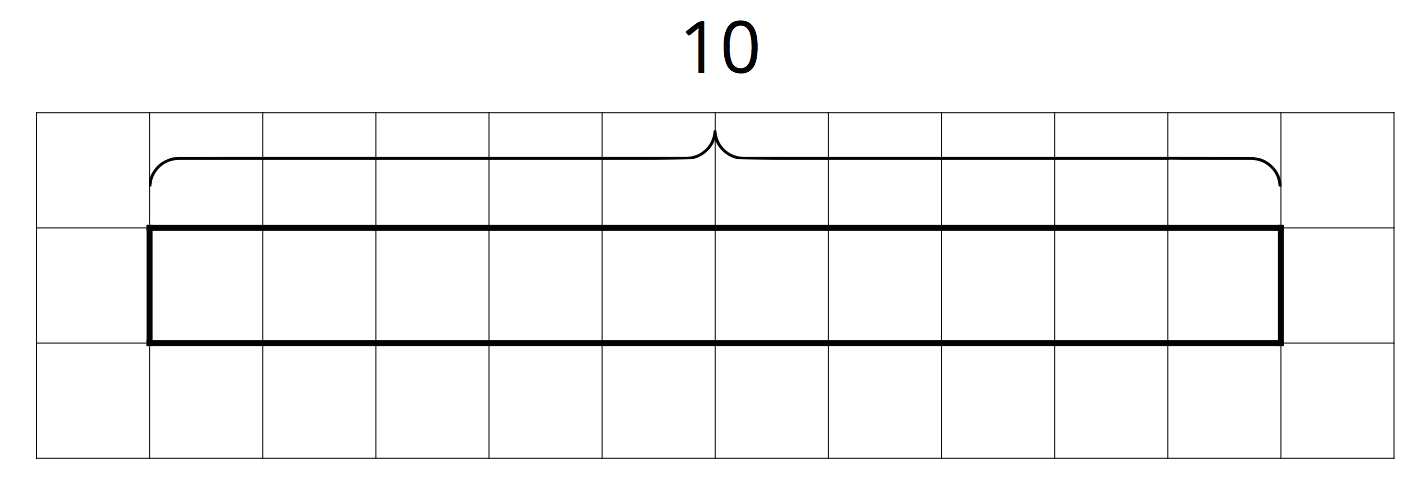
## Unit 3 Lesson 3: How Many Groups?

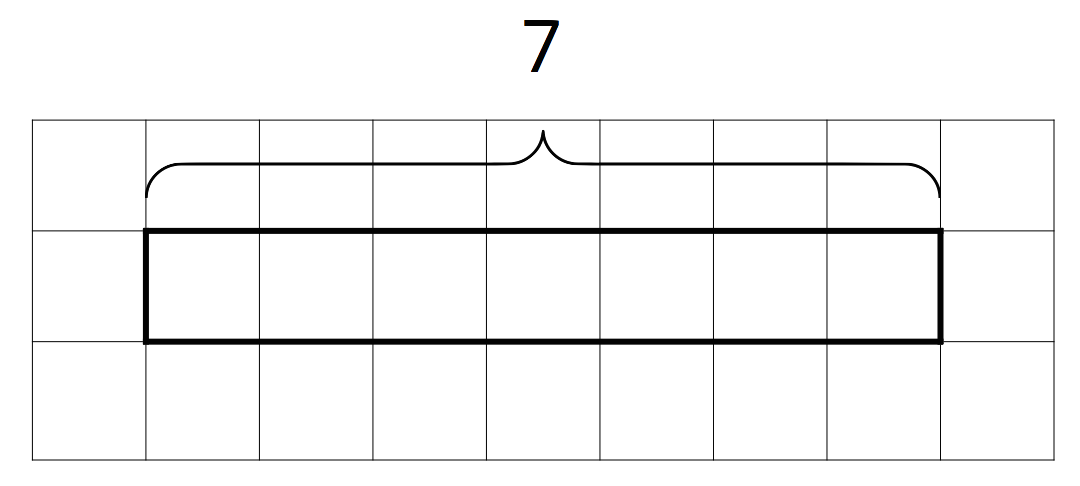
### 1 How Many of These in That? (Warm up)

#### Student Task Statement

1. We can think of the division expression as the question: “How many groups of are in 10?” Complete the tape diagram to represent this question. Then find the answer.

* 

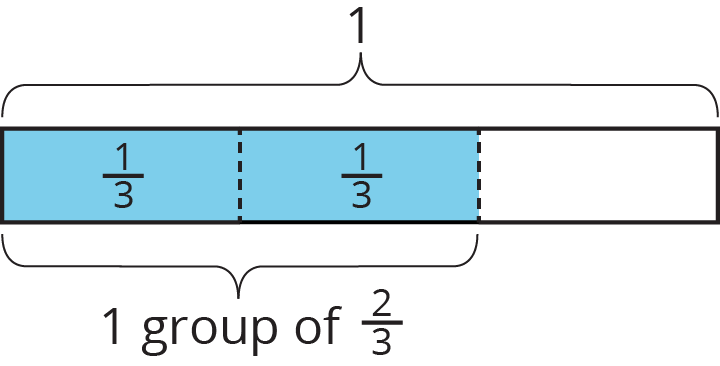
1. Complete the tape diagram to represent the question: “How many groups of 2 are in 7?” Then find the answer.

* 

### 2 Representing Groups of Fractions with Tape Diagrams

#### Student Task Statement

To make sense of the question “How many s are in 1?,” Andre wrote equations and drew a tape diagram.



1. Andre wasn’t sure how to deal with the remainder.
   * Diego says, “The answer is , because the remainder is of the rectangle.”
   * Jada says, “I think the answer is . Since we want to find out ‘how many s there are,’ we should compare the leftover part to a group of . The remainder is of a group.”

* Do you agree with either of them? Explain or show your reasoning.

1. Write a multiplication equation and a division equation for each question. Then, draw a tape diagram and find the answer.
   1. How many s are in 1?
   * 
   1. How many s are in 3?
   * 
   1. How many s are in 5?
   * 

### 3 Finding Number of Groups

#### Student Task Statement

1. Write a multiplication equation or a division equation for each question. Then, find the answer and explain or show your reasoning.
   1. How many -inch thick books make a stack that is 6 inches tall?
   2. How many groups of pound are in  pounds?
2. Write a question that can be represented by the division equation . Then, find the answer and explain or show your reasoning.



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